Friday, 11/04/2008 9:02:08 AM Date User: Julie Lecocq Customer : CU-DAR001 Dart Helicopters Services Job Number : 38554 **Estimate Number** : 11923 P.O. Number : 11/04/2008 This Issue : NC Prsht Rev. : // First Issue : 29933 **Previous Run** Written By Checked & Approved By Comment : Est. B 99.11.11 **Additional Product** Job Number: Seq. #: M6061T6T0375W035 1.0

Process Sheet

Drawing Name

: TUBE ASSEMBLY

Part Number Drawing Number

: D2003101 : WHDER REVIEW

: N/A

Project Number Drawing Revision

: B

Material

: 21/04/2008 **Due Date**

Qty:

6 Um:

Each



S.O. No. :

Type

: SMALL /MED FAB

Re-format EC

Machine Or Operation:

Description:

6061-T6 Tube .375 x.035W

Comment: Qty.: 1.1485 f(s)/Unit Total: 6.8909 f(s)

Cut: 13.13" long as per Dwg D2003

Material:3/8"Æ x 0.035" wall 6061-T6 tubing

Batch: 104921

M26506 2.0

Firesleeve-crkl .375IDia



Comment: Qty.:

1.1593 f(s)/Unit Total:

6.9558 f(s)

Cut: 13.25" long as per Dwg D2003 Material: M2650-6 Heat sleeve

Batch: M 106 781

Sleeve

3.0

MS208196D



Comment: Qty: 2.0000 Each(s)/Unit Total:

12.0000 Each(s)

Sleeve

Pick: **Qty Part Number**

Description

2 MS20819-6D

Sleeve

08-04-16

4.0

AN8186D

Nut

Comment: Qty.:

2.0000 Each(s)/Unit Total:

12.0000 Each(s)

Nut Pick:

Qty Part Number 2 AN818-6D Nut

Description

Batch

Page 1

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W/O:		WORK ORDER CHANGES											
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
Part No		PAR #· Fault Category:	NCP: Vec	No DO	۸.	Date							

Part No):	PAR #:	Fault Cate	gory:	NC	R: Yes N	o DQA:	_ Date: _	
						QA: N/C	Closed:	_ Date: _	
NCR:			WORK ORD	ER NON-CONFO	DRMANCE	(NCR)			
		Description of NC		Corrective Action	Section B		Verification	Ammanal	Annewal
DATE	STEP	Section A	Initial	Action Descrip	ption	Sign &	Section C	Approval Chief Eng	Approval QC Inspector

		Description of NC		Corrective Action Section B	Verification	Annroyal	Annroyal	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
			-					
	!							
			1					

NOTE: Date & initial all entries

Friday, 11/04/2008 9:02:08 AM Date: User: Julie Lecocq **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services **Drawing Name: TUBE ASSEMBLY** Job Number: 38554 Part Number: D2003101 Job Number: Seq. #: **Machine Or Operation:** Description: D2182045 5.0 Heat Shrink 4.5" Long Qty.: 1.0000 Each(s)/Unit Total: 6.0000 Each Heat Shrink \(\frac{2'' \in ACH}{2'' \in ACH} \) Comment: Qty.: 6.0000 Each(s) **Qty Part Number** Description Batch FF 08-04-16 1 D2182-045 Heat shrink SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Form tube as per template D2003-101 CONFIRM, CUT LEVELIT WITH Assemble as per Dwg D2003 CUT LEWICHT OL. INSPECT WORK TO CURRENT STEP 7.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 8.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 FINAL INSPECTION/W/O RELEASE 9.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

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W/O:		WORK ORDER C					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	.•	PAR #: Fault Category:	NCD: Voc	No DO	Α.	Doto	

Part No:	PAR #:	_ Fault Category:	NCR: Yes	No DQA:	Date:
			QA: N	/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B	Verification	Annroyal							
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector					
	,												

NOTE: Date & initial all entries





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į	4	10	1	D2003 SHEET 1 OF 2
	DATE	,		TITLE SCALE
	99.0	06.08		206 CABIN HEATER TUBE ASSEMBLIES NTS
	Α		90.04.09	NEW ISSUE
1	R		00.06.09	UPDATE PER TEMPLATES: ADD P/N'S:

RELEASED 49.06.03 KED

99.06.08 0.025 TUBING NOW 0.035 (TSR1049)

UNDER REVIEW

Je 08.04.11

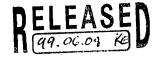
P/N	TEMPLATE	HEATSLEEVE LENGTH	CUT LENGTH OF TUBE ²	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC.	MATERIAL ^{4/8/7}	VENDOR OR SPEC
D2003-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33,31	32.38					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	_ 2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13					2_	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.38	12.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	_ 2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	12.75	12.25					_ 2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-109	T2003-109	8.25	8.125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.75	4.625			_2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-116	T2003-116	4.0								HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-120	4.0								HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-14	T2003-14	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-16	T2003-16	4.0								HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035₩	~~vvw-T-700/6
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UNCONTROLLED CT SUBJECT TO AMENDMEN





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	99.06.08		206 CABIN HEATER	TUBE ASSEMBLIES NTS



UNDER REVIEW

SUBJECT TO AMENDMENT

Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

